

**APPLICATION FOR UNITED STATES PATENT**  
**DECLARATION FOR PATENT APPLICATION**

As below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on

(1) the invention entitled **METALLURGICAL THERMOCOUPLE**

the specification of which

(2) (file no. )

(3) is attached hereto.

(4) was filed on as Application Serial No.

(5) and was amended on (if applicable)

Use this portion only	(6)	was filed as PCT international application
if you are entering	(7)	Number <b>PCT/ZA00/00136</b>
the U.S. National	(8)	on <b>16 AUGUST 2000</b>
phase based on a	(9)	and was amended under PCT Article 19
PCT International	(10)	on (if applicable)
Application		
Designating the U.S.		

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me which is material to patentability in accordance with Title 37, Code of Federal Regulations, s 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code s 119 of any foreign application (s) for patent or inventor's certificate listed below and have also identified below any foreign application (s) for patent or inventor's certificate or any PCT international application (s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date earlier than that of the application (s) on which priority is claimed:

(12) **Prior (Foreign) Application (s) any**  
**Priority Claims under 35 U.S.C. 119:**

**Priority Claimed:**

<u>ZA</u>	<u>99/5203</u>	<u>16/08/1999</u>	<u>XXX</u>	
(Country)	(Number)	(Day/Month/Year)	YES	NO
(Country)	(Number)	(Day/Month/Year)	YES	NO
(Country)	(Number)	(Day/Month/Year)	YES	NO

**TO BE USED ONLY FOR CONTINUING APPLICATION**

Do not use this portion  
to identify a PCT application  
if the present application is the  
U.S. National phase of that  
PCT application

I hereby claim the benefit under Title 35, United States Code, 120 of any United States application (s) or PCT international application (s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application (s) in the manner provided by the first paragraph of Title 35, United States Code, s 112, I knowledge the duty to disclose to the United States Patent & Trademark office all information known to me as to be material to patentability as defined in Title 37, Code of Federal Regulation, s 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

(U.S. Application Number)

(U.S. Filing Date)

Status (patented,pending,abandoned)

(U.S. Application Number)

(U.S. Filing Date)

Status (patented,pending,abandoned)

I hereby appoint the following partners of the firm of DARBY & DARBY as my attorneys of record with full power of substitution and revocation to prosecute this application and to transact all business in the Patent and Trademark Office:

1 I hereby appoint as principal attorneys: Morris Relson, (15,108), Gordon D. Copelein, (19,165), William F. Dudine, Jr. (20,569), Michael J. Sweedler, (19,937), David R. Francescani, (25,159), S. Peter Ludwig, (25,351), Joseph B. Lerch, (26,934).

**ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO:**

**DARBY & DARBY P.C.**  
**805 Third Avenue**  
**NEW YORK, NY 10022-7513**  
**UNITED STATES OF AMERICA**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made of information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

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Name of Sole or First  
Inventor

ADRIAN L GRAY  
Given Name Middle Initial Family Name

\*15a Inventor's Signature

Adrian L. Gray

\*16a Date of Signature

07 January 2002  
Day Month Year

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\*    **Note to Inventor:**    **Please sign name on line 15 exactly as it appears in line 14 and insert the actual date of signing on line 16. If there are more inventors please add a copy of this page for identification and signatures of the additional inventors.**